

FIG. 1

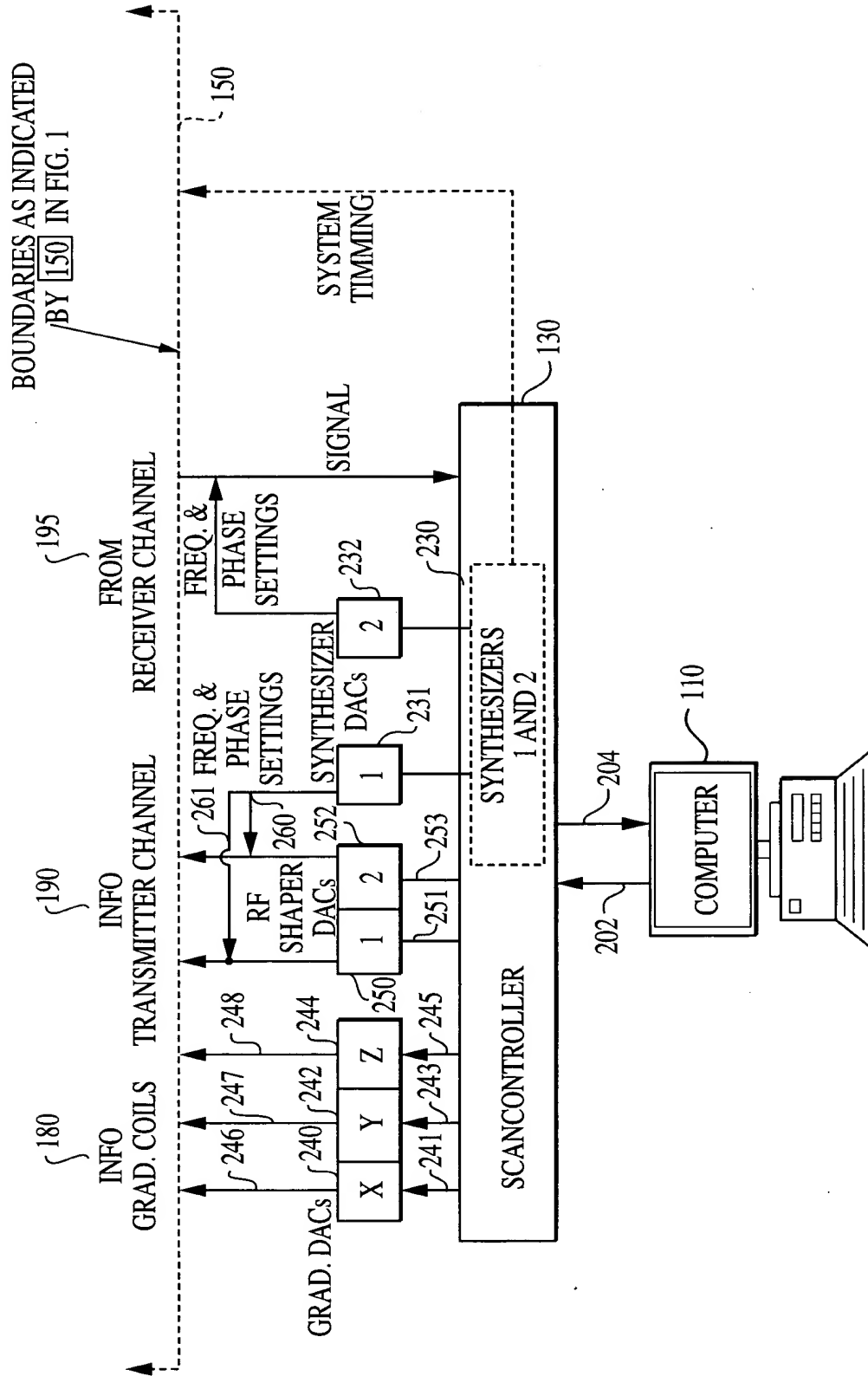


FIG. 2

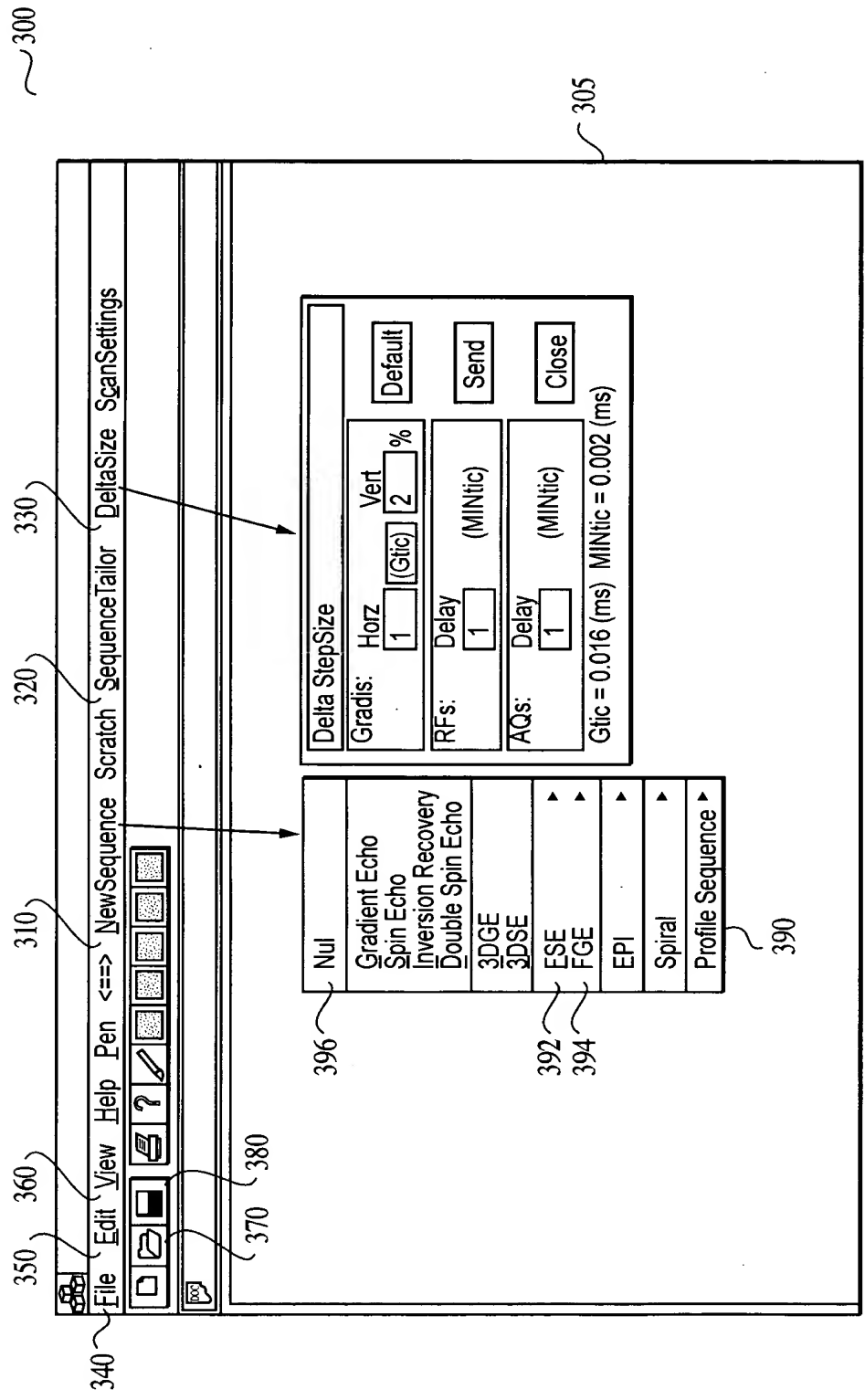


FIG. 3

FIG. 4

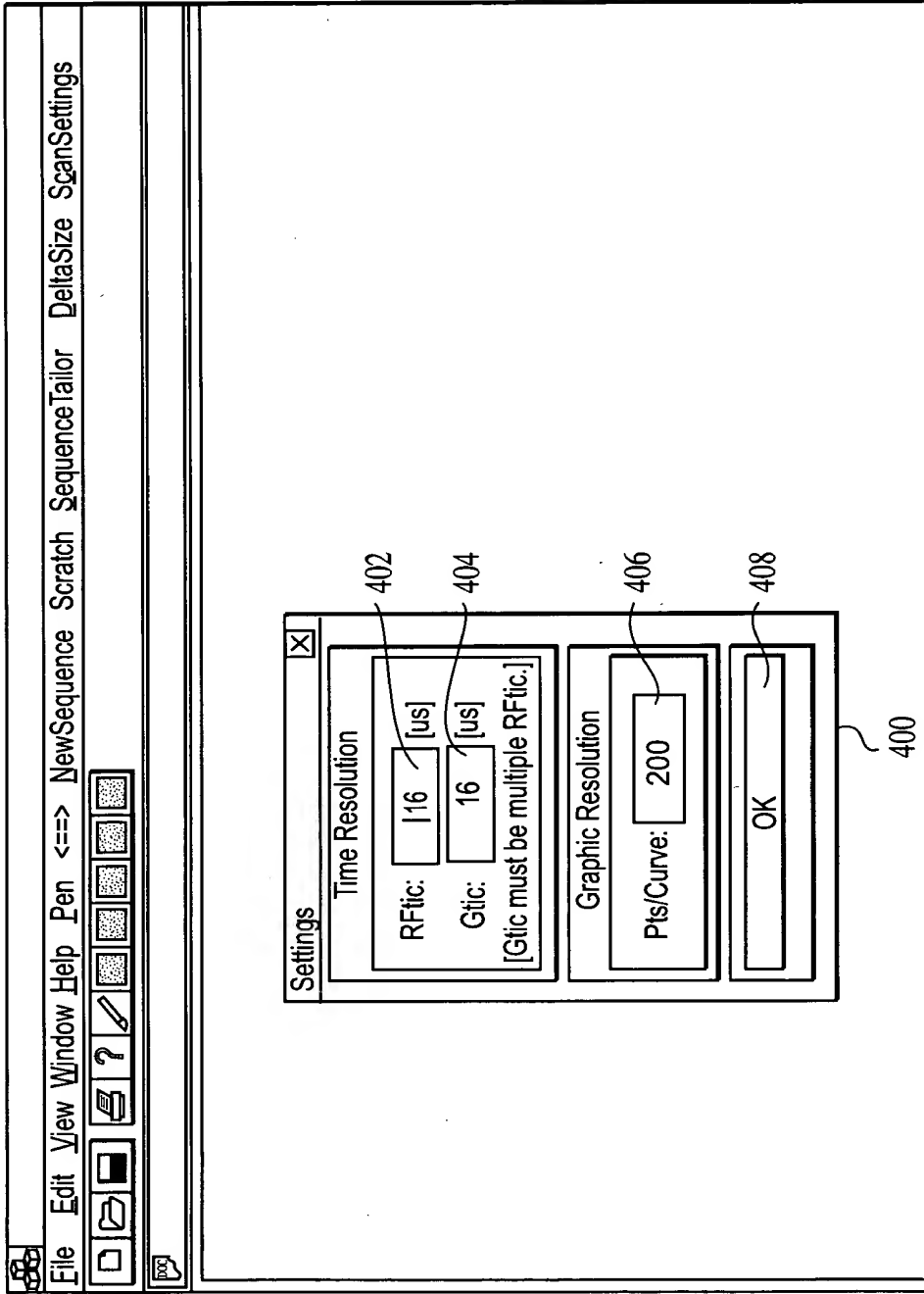


FIG. 4

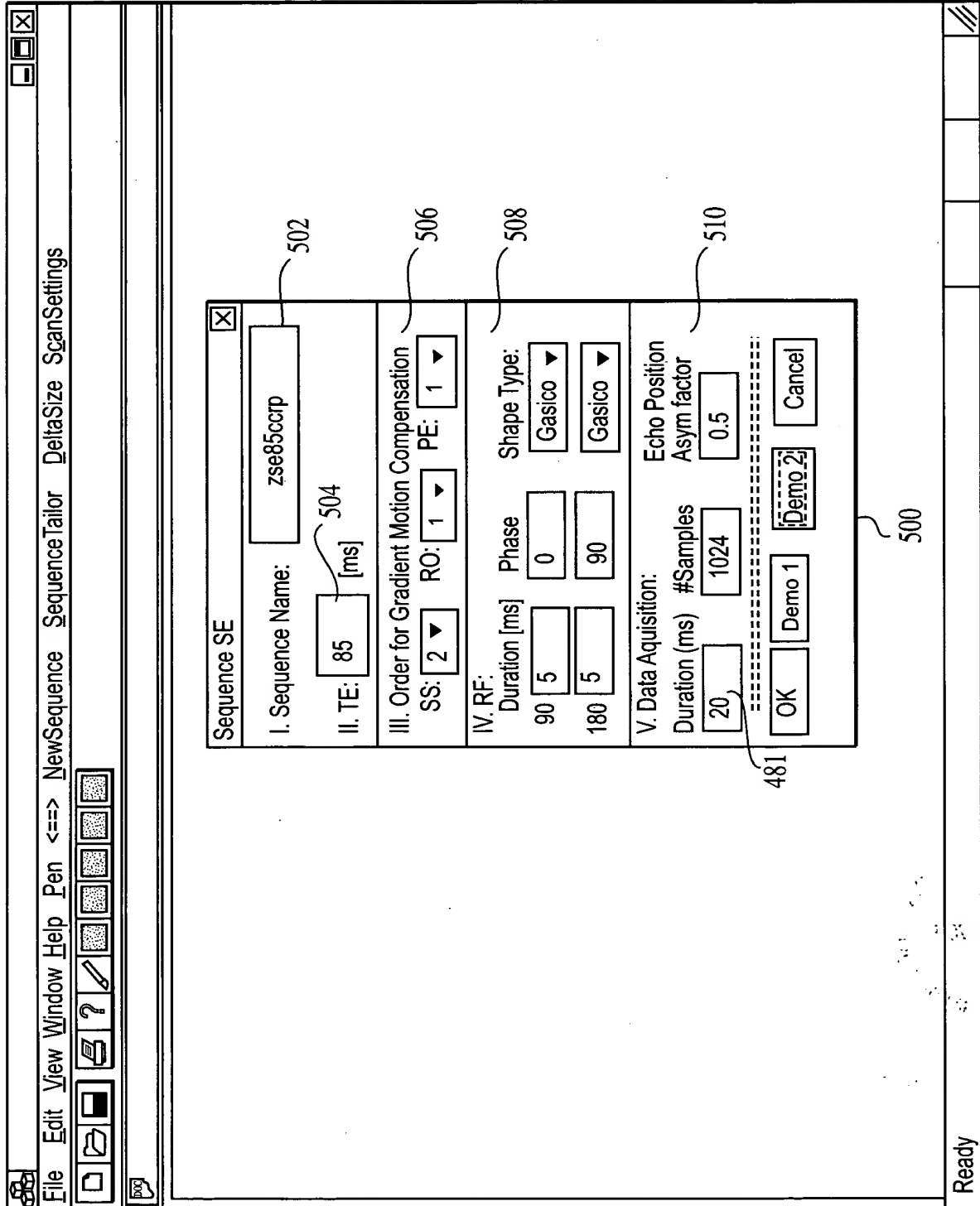


FIG. 5

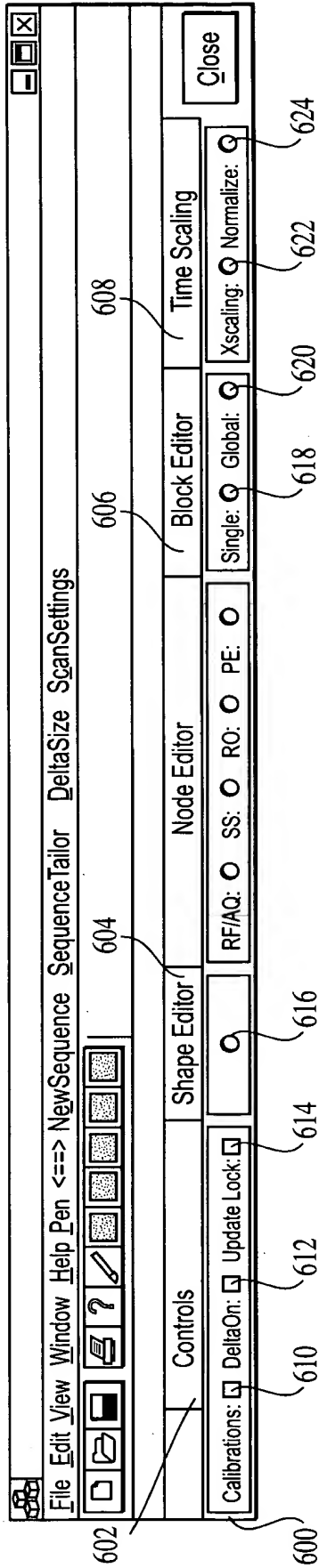


FIG. 6

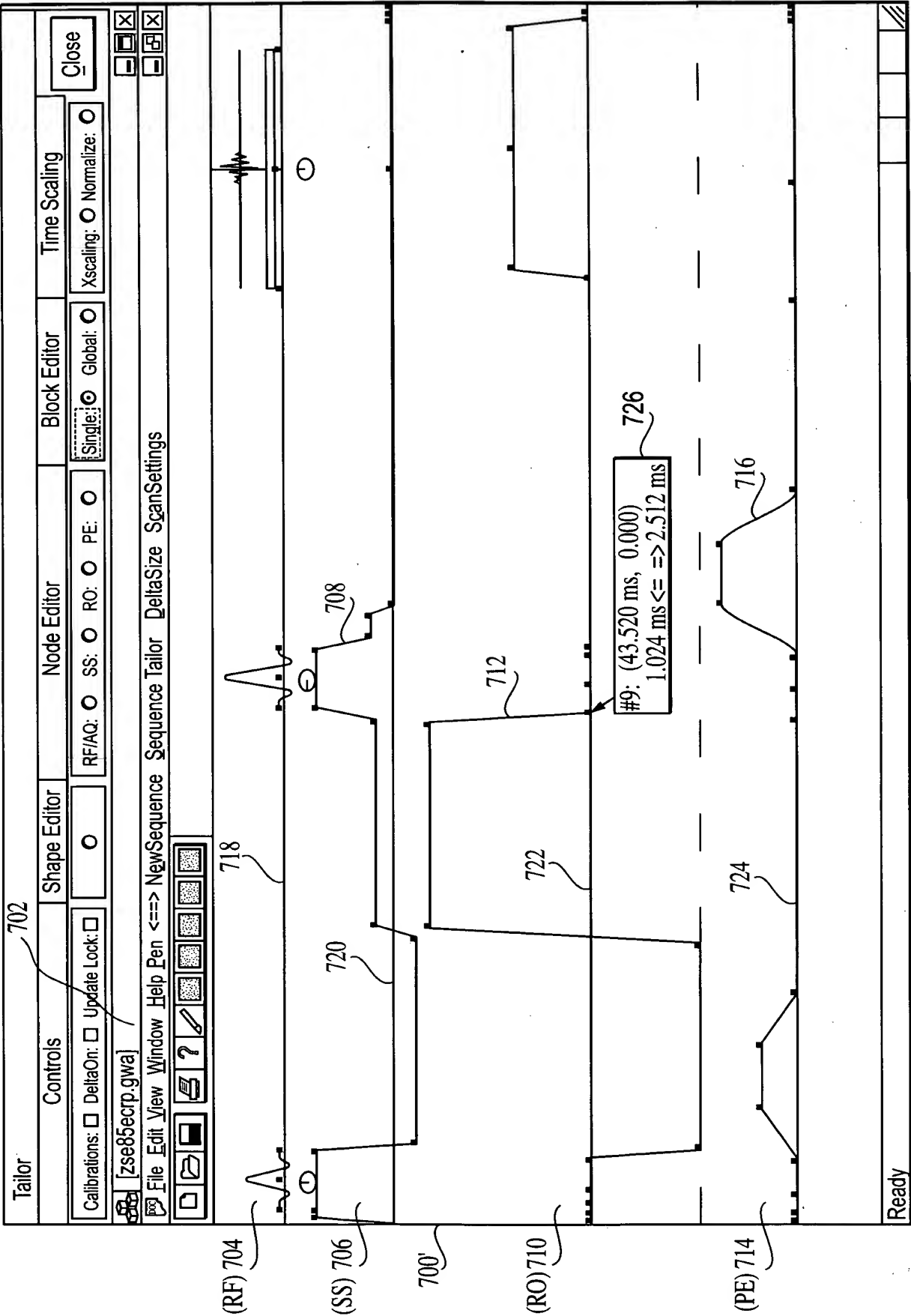


FIG. 7

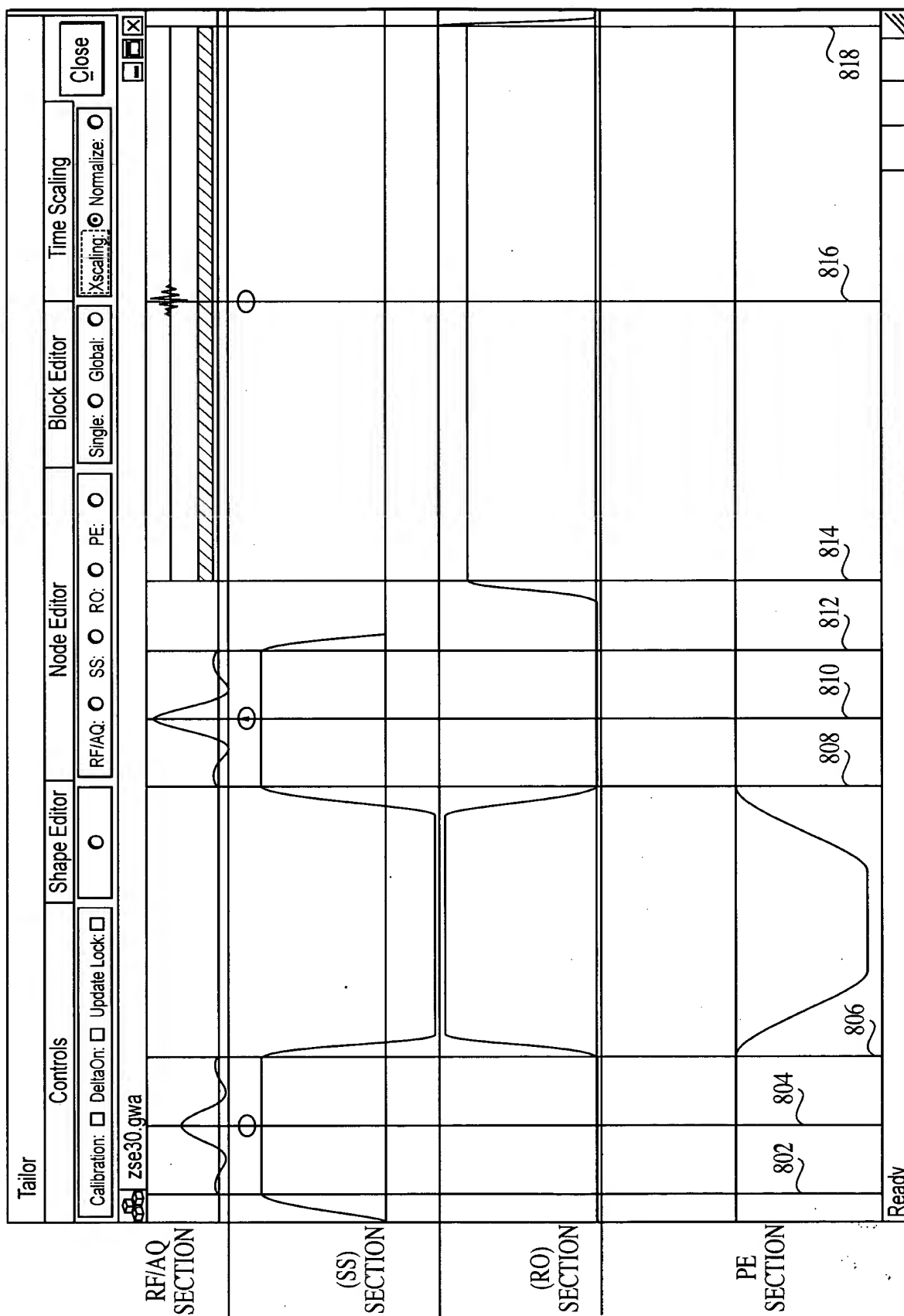


FIG. 8A

9/32

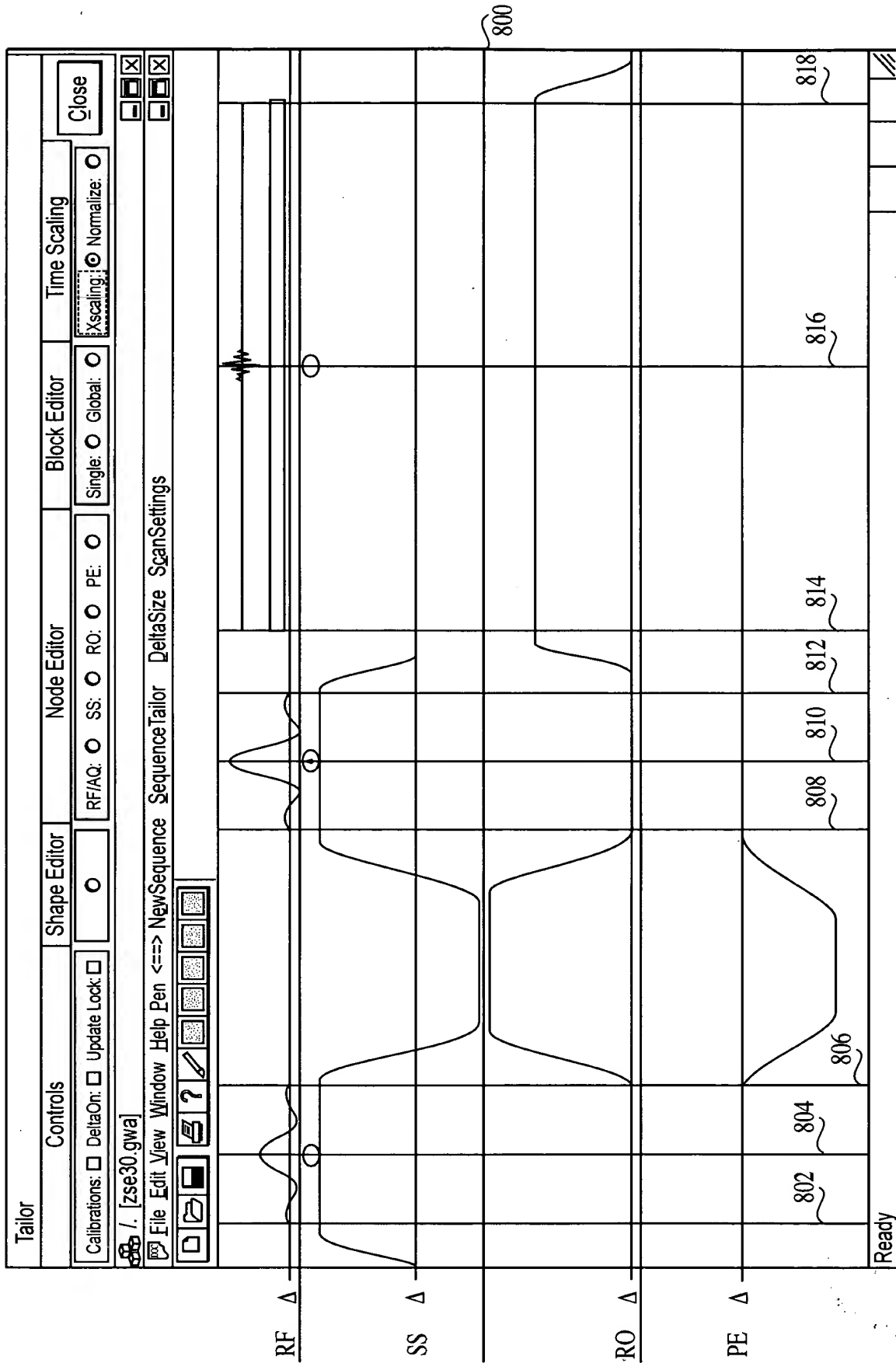


FIG. 8B

FIG. 8C

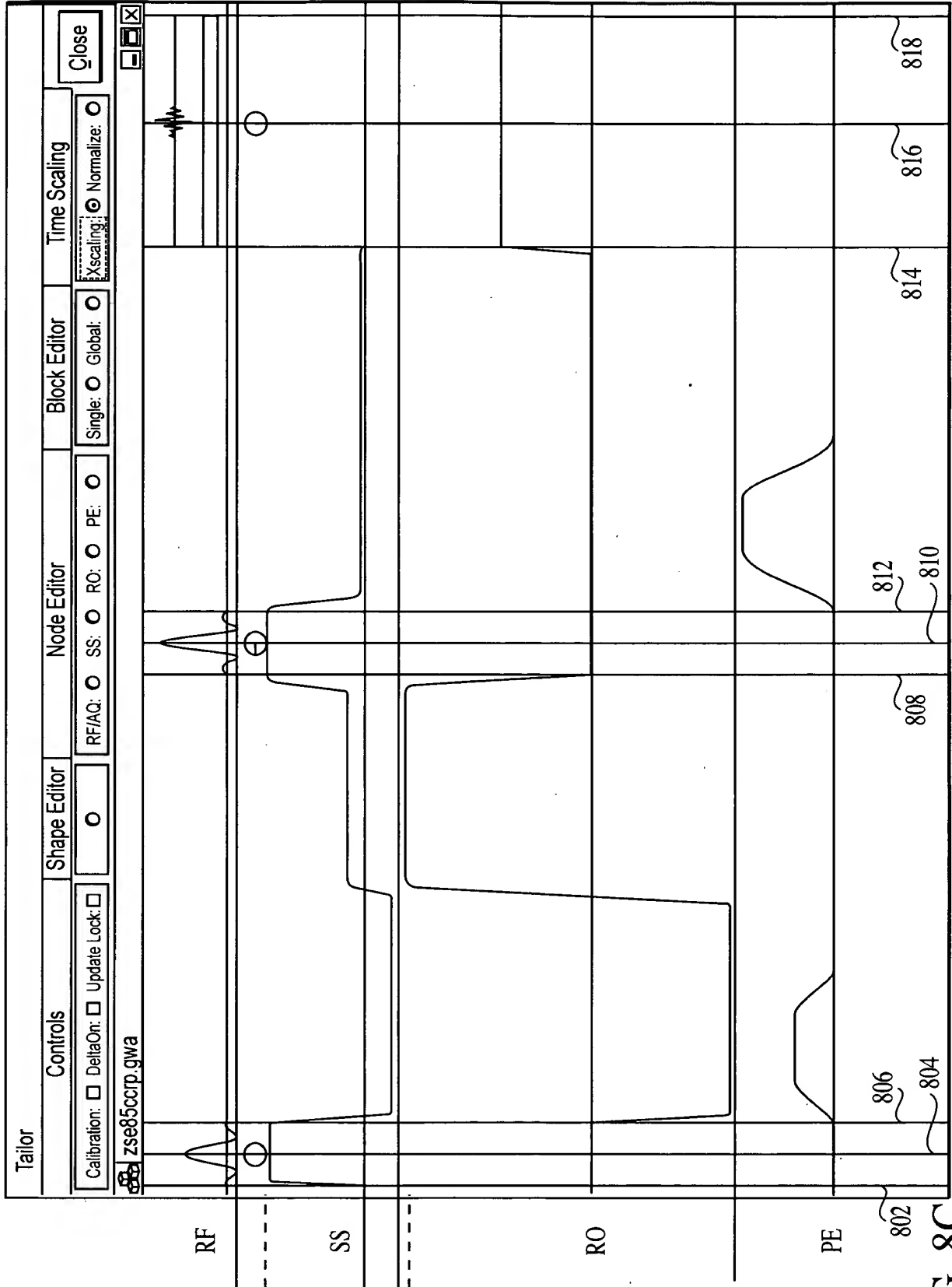


FIG. 8C

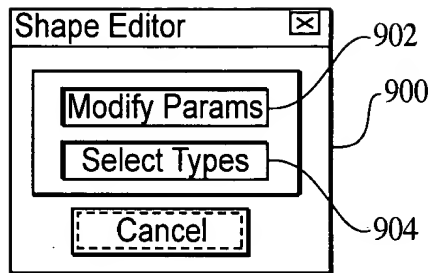


FIG. 9A

00000000-00000000

Shape Modification:

Gasico Paramters:

1. Amplitude of Sinc: 98 912 914

2. Cycles of Sinc: 3 916

3. Exponetial of Sinc: -0.4 918

4. Amplitude of Cosine: 2 920

5. Cycle of Cosine: 0 922

6. Exponetial of Cosine: 0.55

Asymmetric factor: 0.5 924

Cancel: OK 910

FIG. 9B

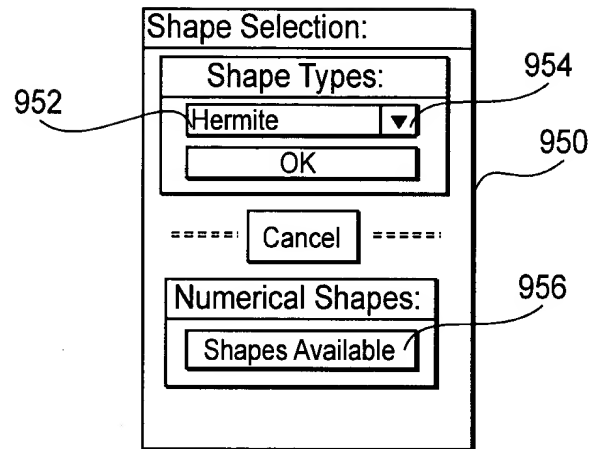


FIG. 9C

Patented Apr 2, 2003

File

Edit

View

Help

Pen

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NewSequence

SequenceTailor

DeltaSize

1000

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1024

zqe12cr.gwa

zqe12cr.gwa

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zse30.gwa

File Edit View Window Help Pen <=> NewSequence Scratch SequenceTailor DeltaSize

zse30.gwa

2D - Scan

2D - Variable TR Scan

3D - Scan

FSE 2D - Scan

FSE 3D - Scan

Multiple 2D - Scans

Multiple 3D - Scans

Combo Scan

StaticCombo

DynamicCombo

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FIG. 10B

Setting Imaging Parameters

Sequence

Sequence Name: zse85ccrp

TE [ms]: 84.992

Imaging Parameters

Number of Slices: 1

Slice Thickness: 7

TR [ms]: 99.552

Number of Levels: 256

DFT Size: 256

180 RF Flipping: 1

OK Cancel

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FIG. 10C

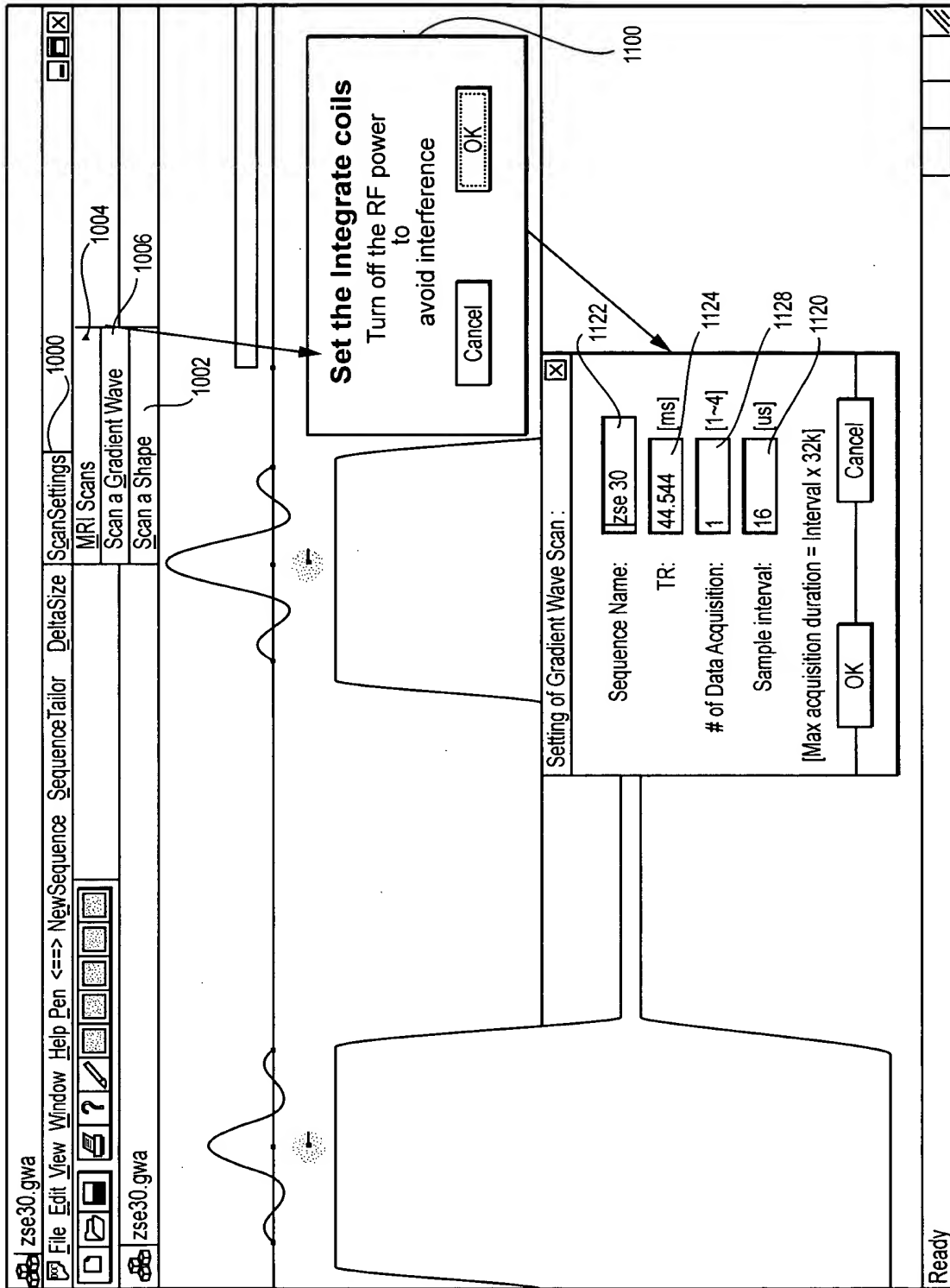


FIG. 11

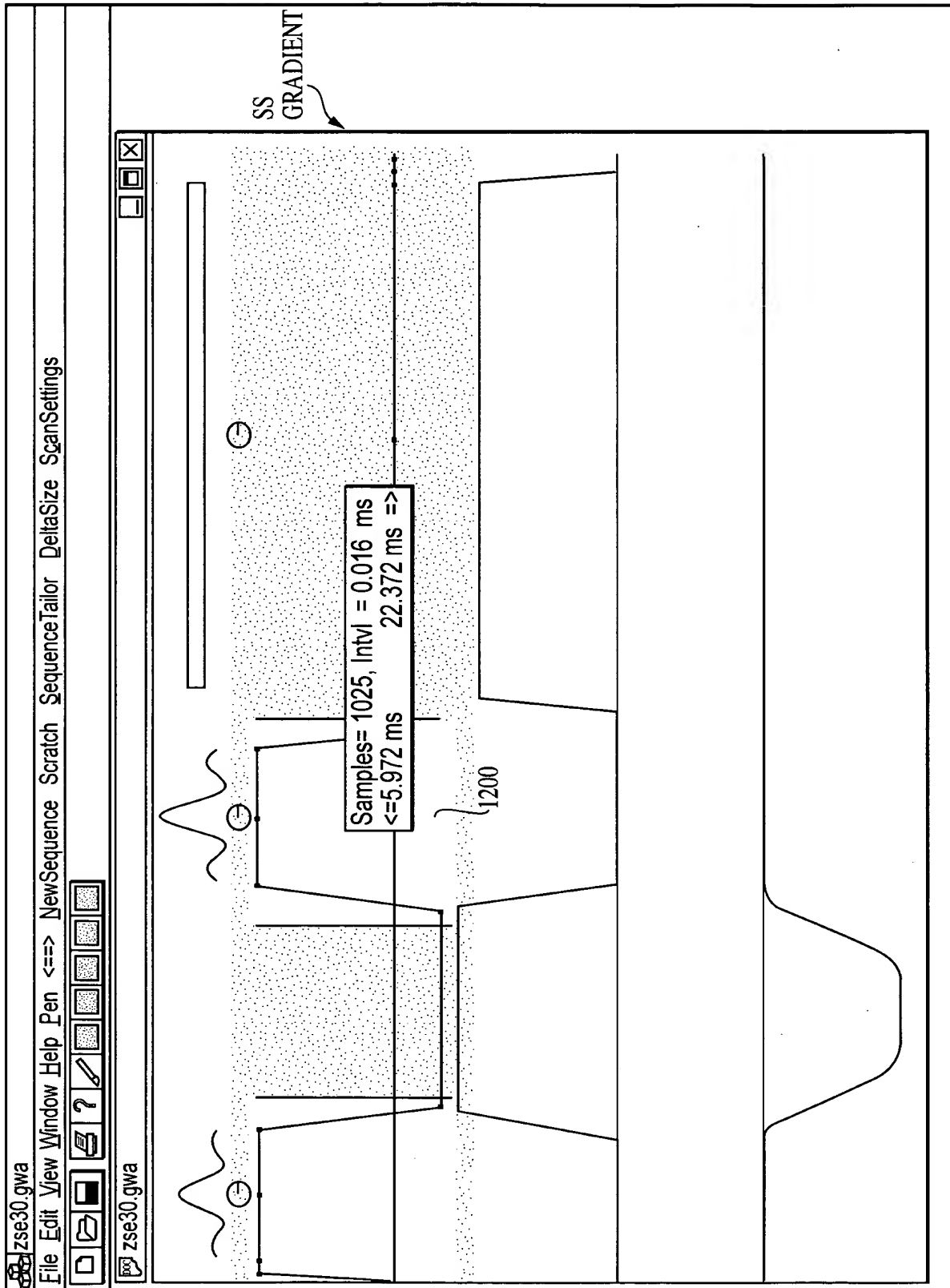


FIG. 12

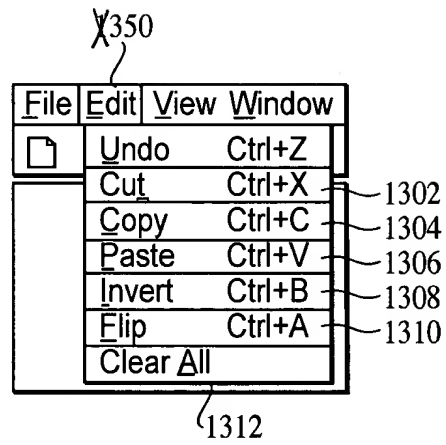


FIG. 13A

09552033 104204

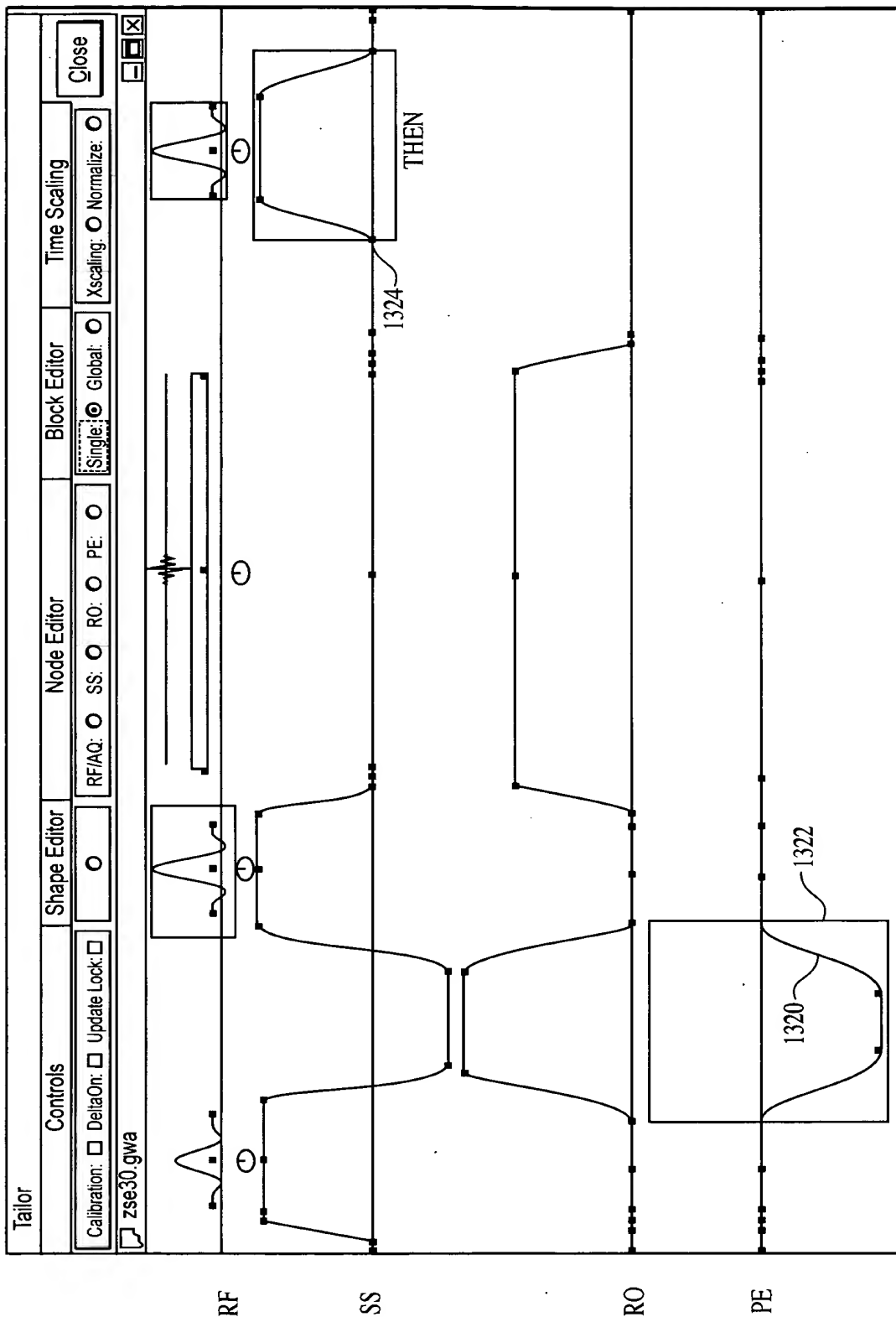


FIG. 13B

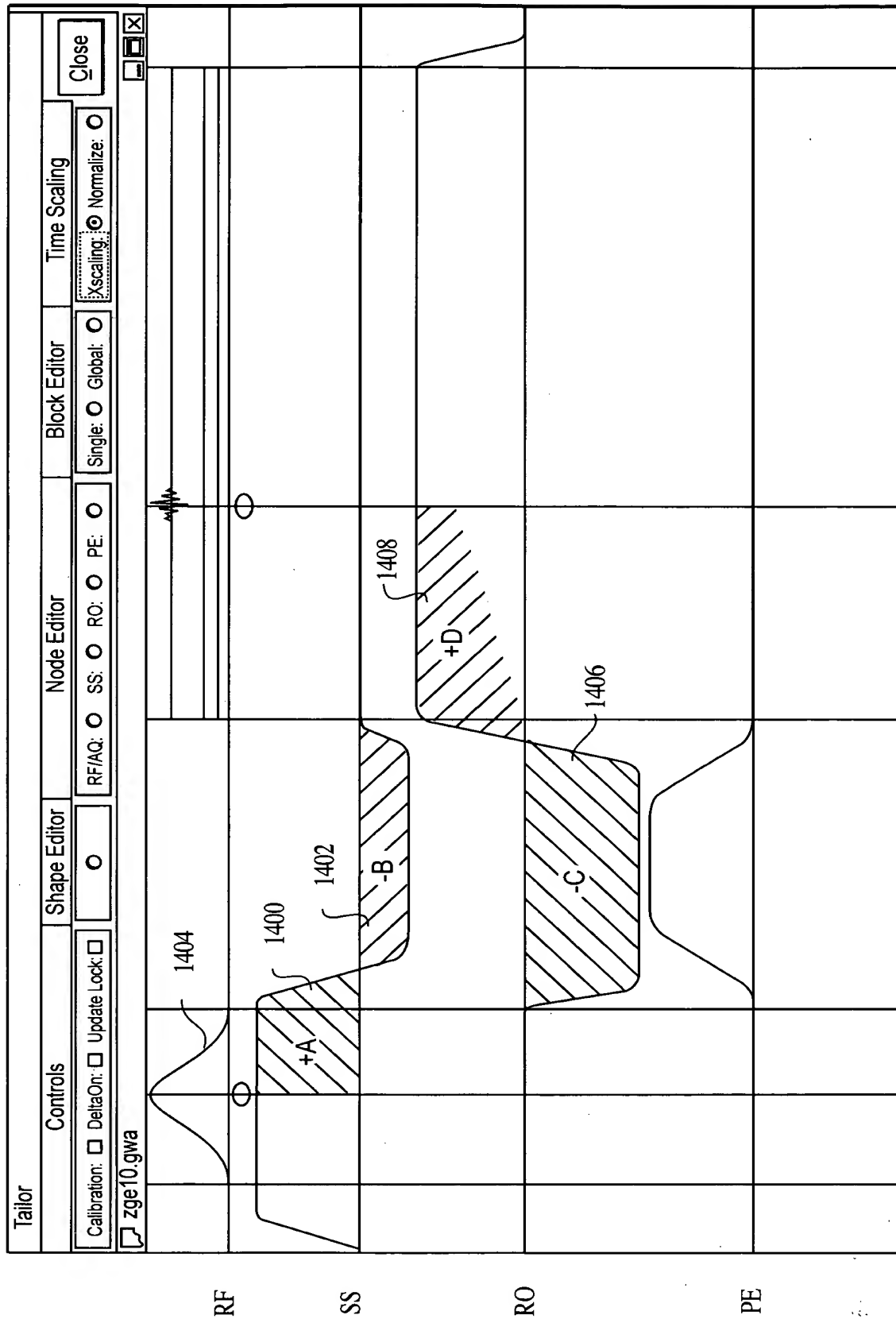


FIG. 14A

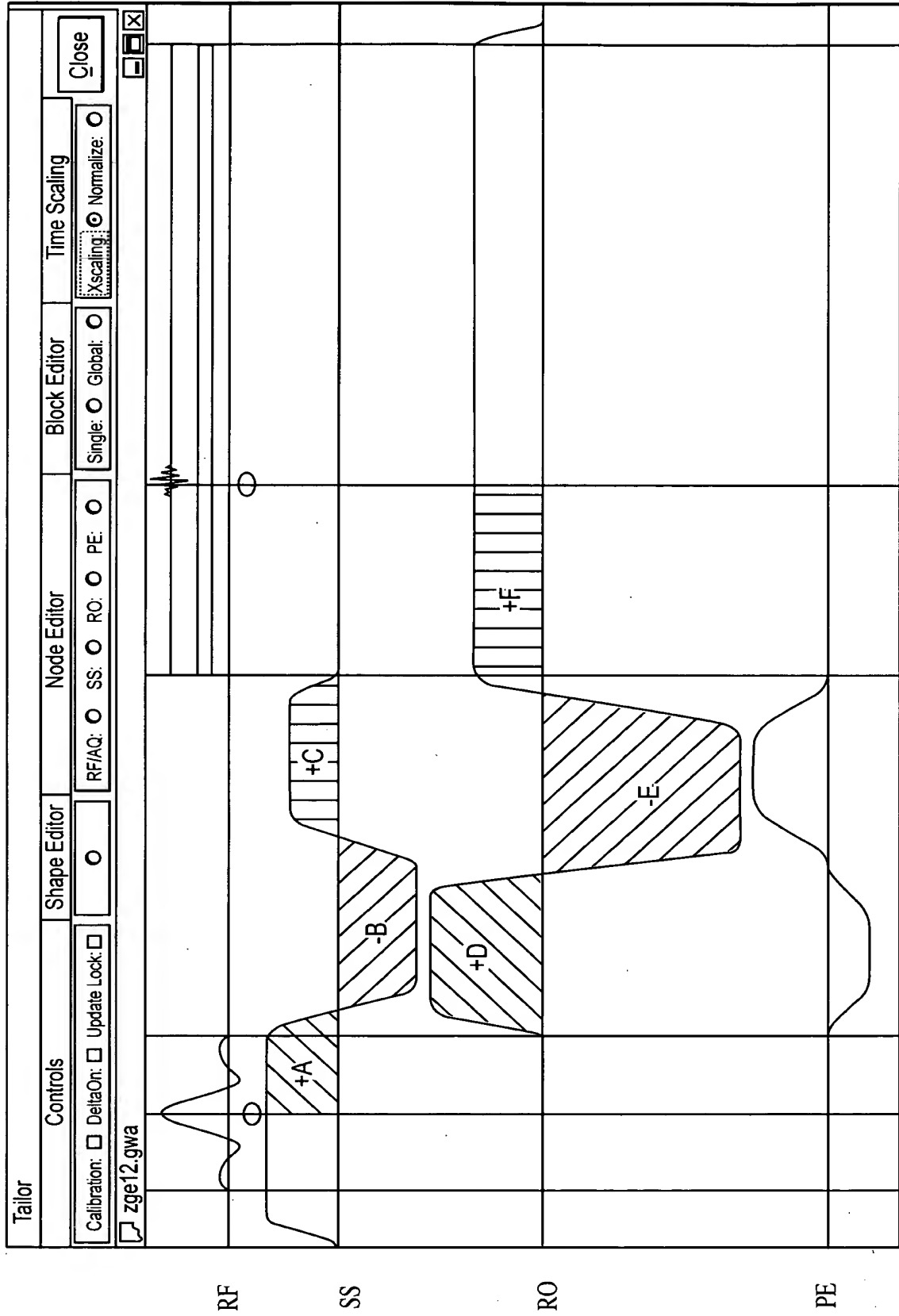


FIG. 14B

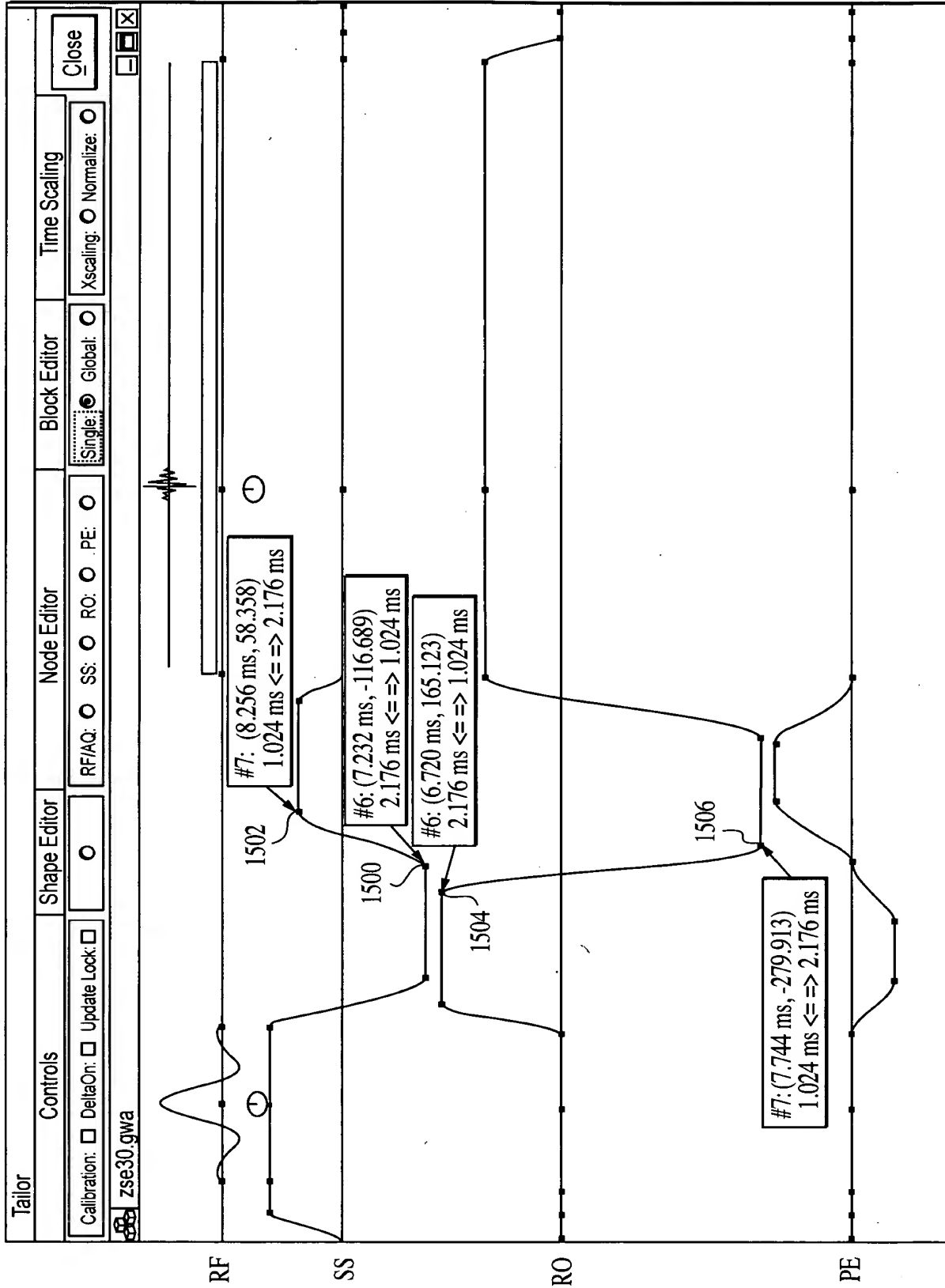


FIG. 15A

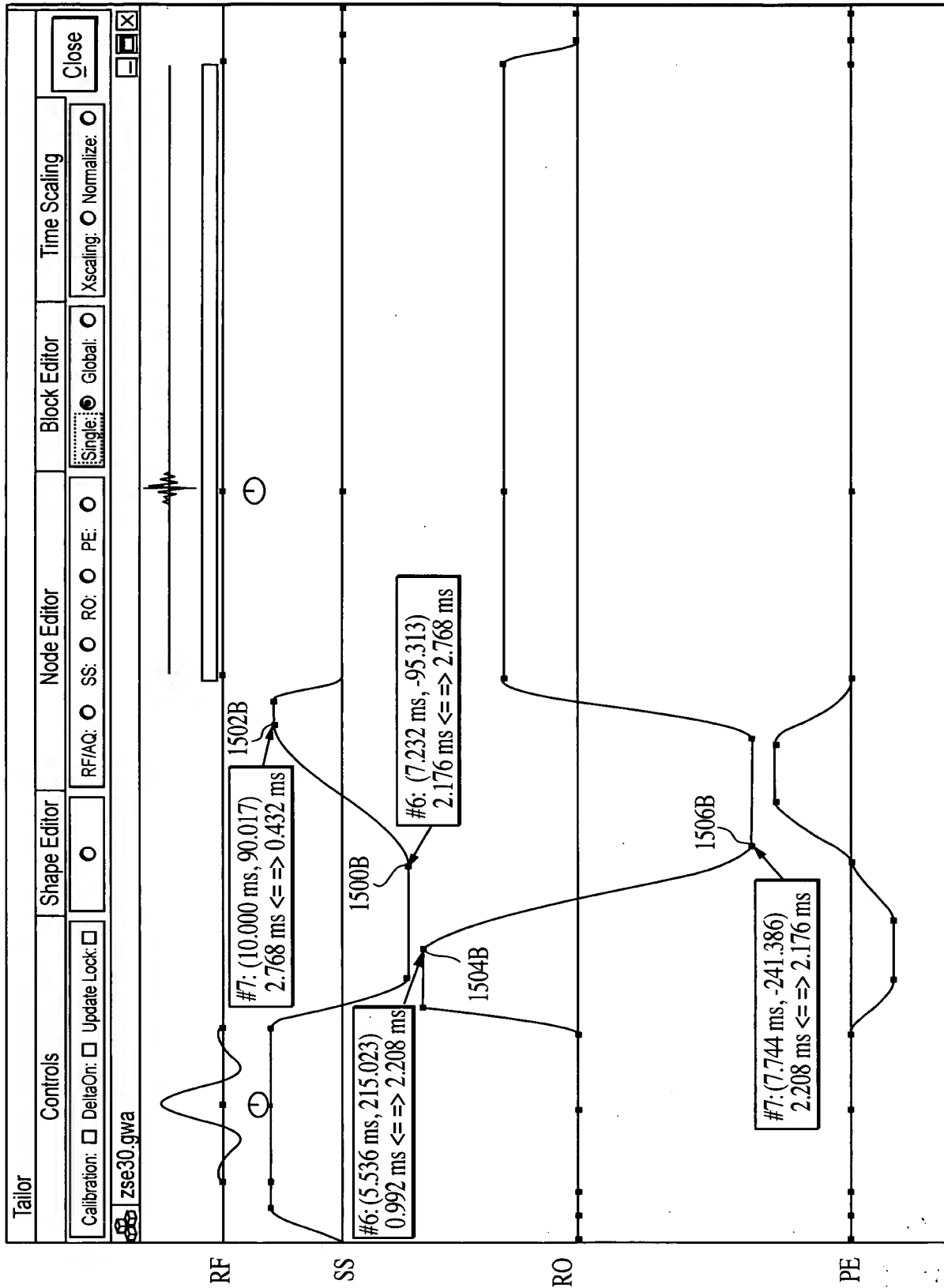


FIG. 15B

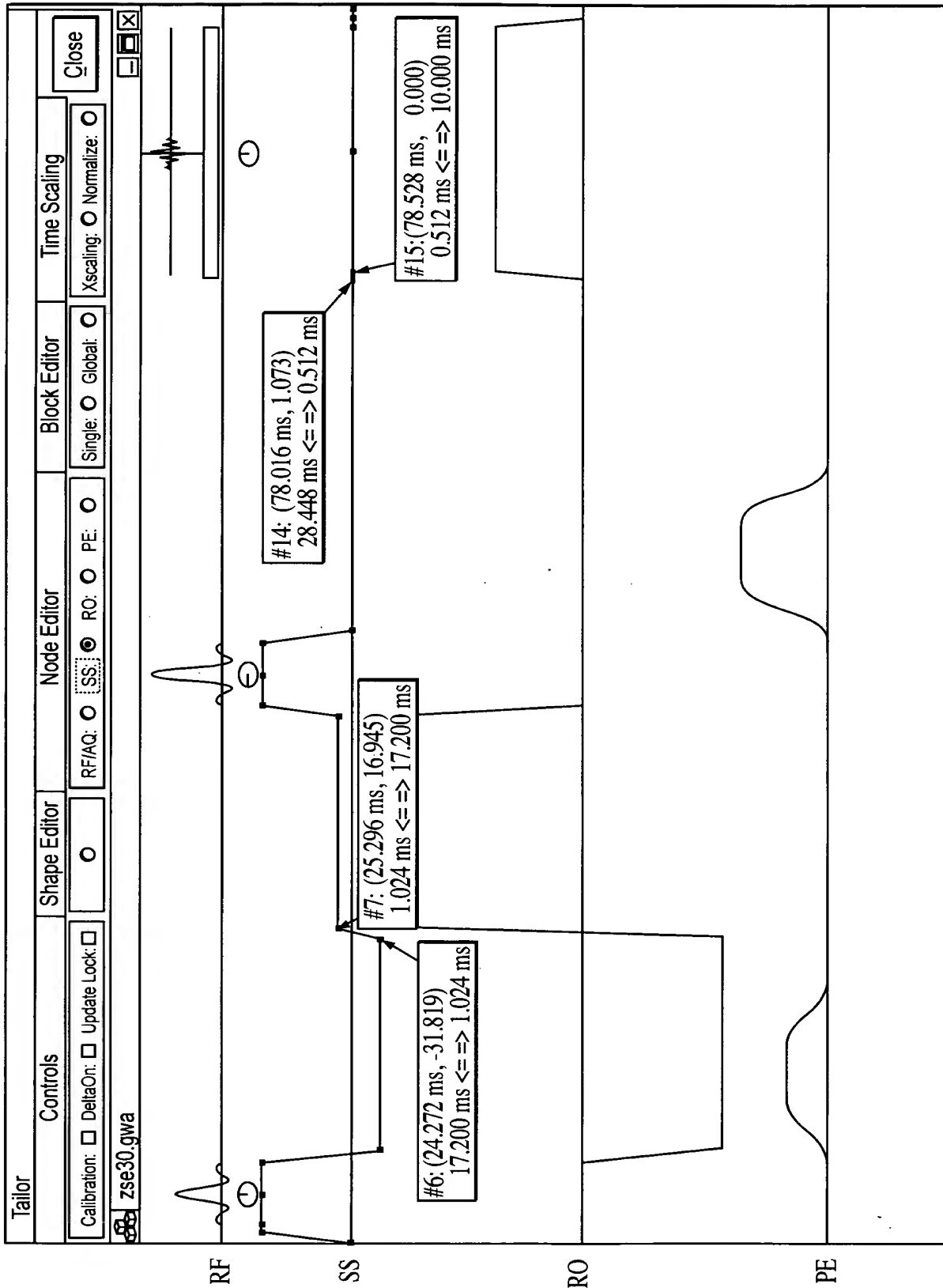


FIG. 16A

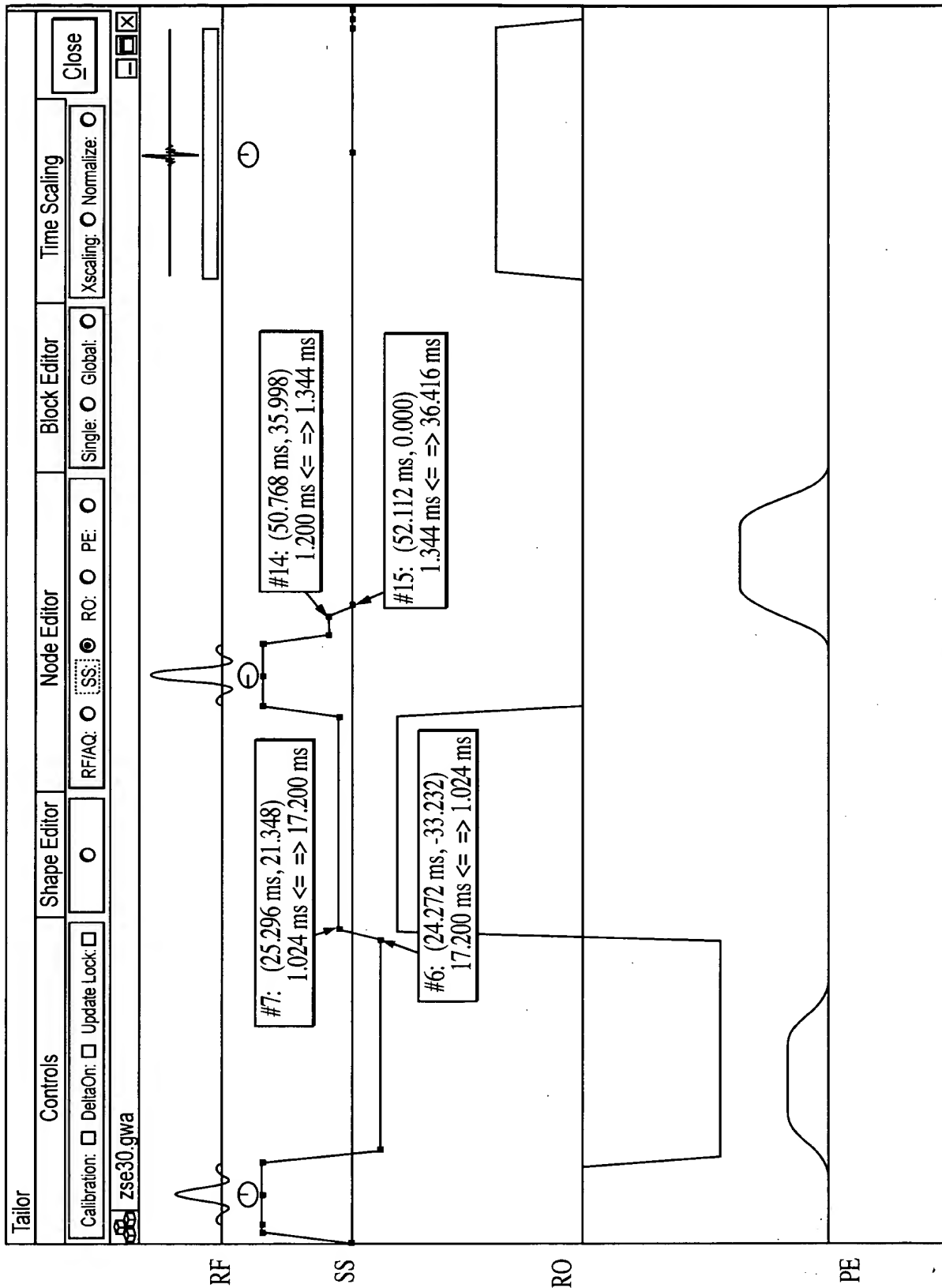


FIG. 16B

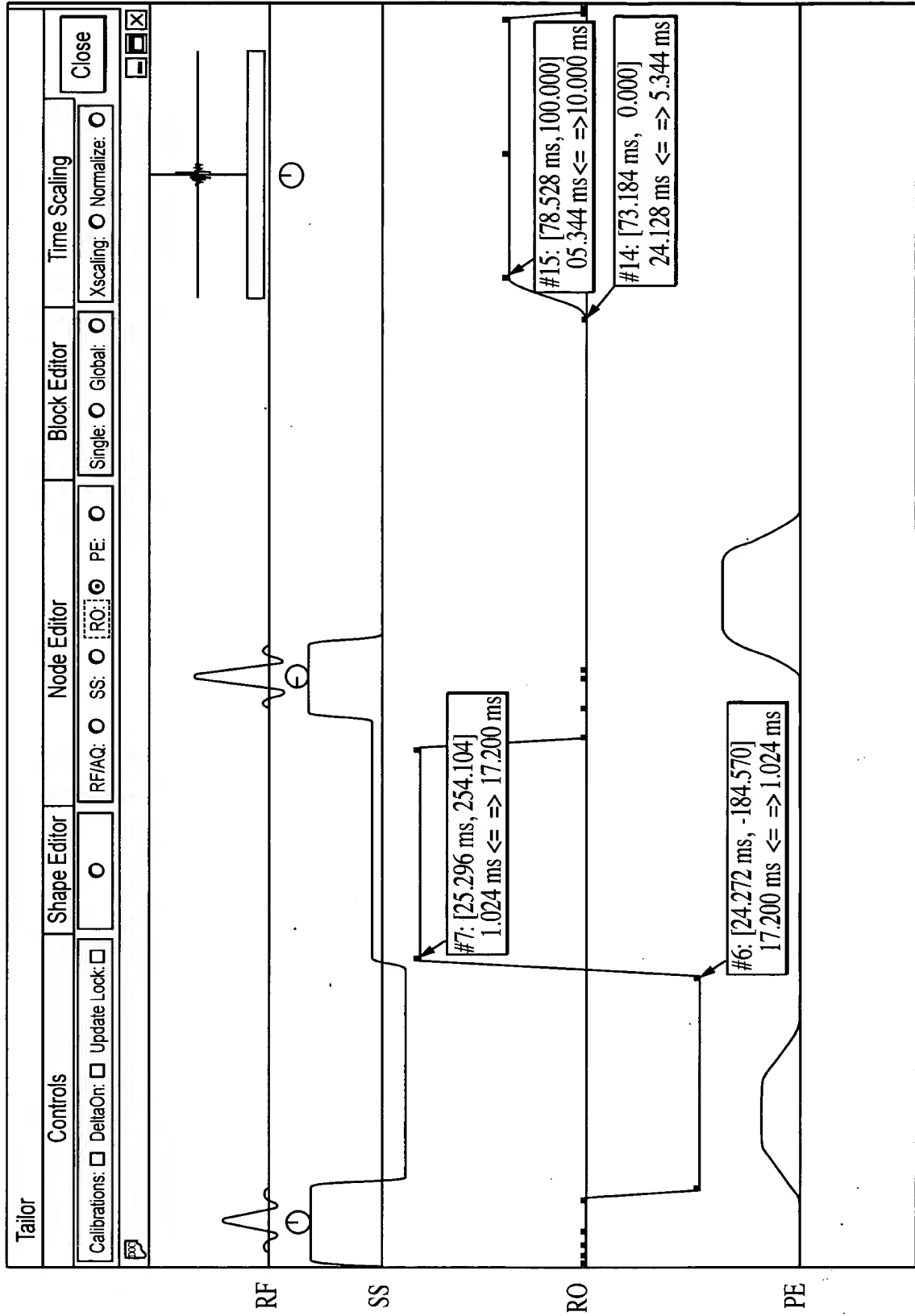


FIG. 16C

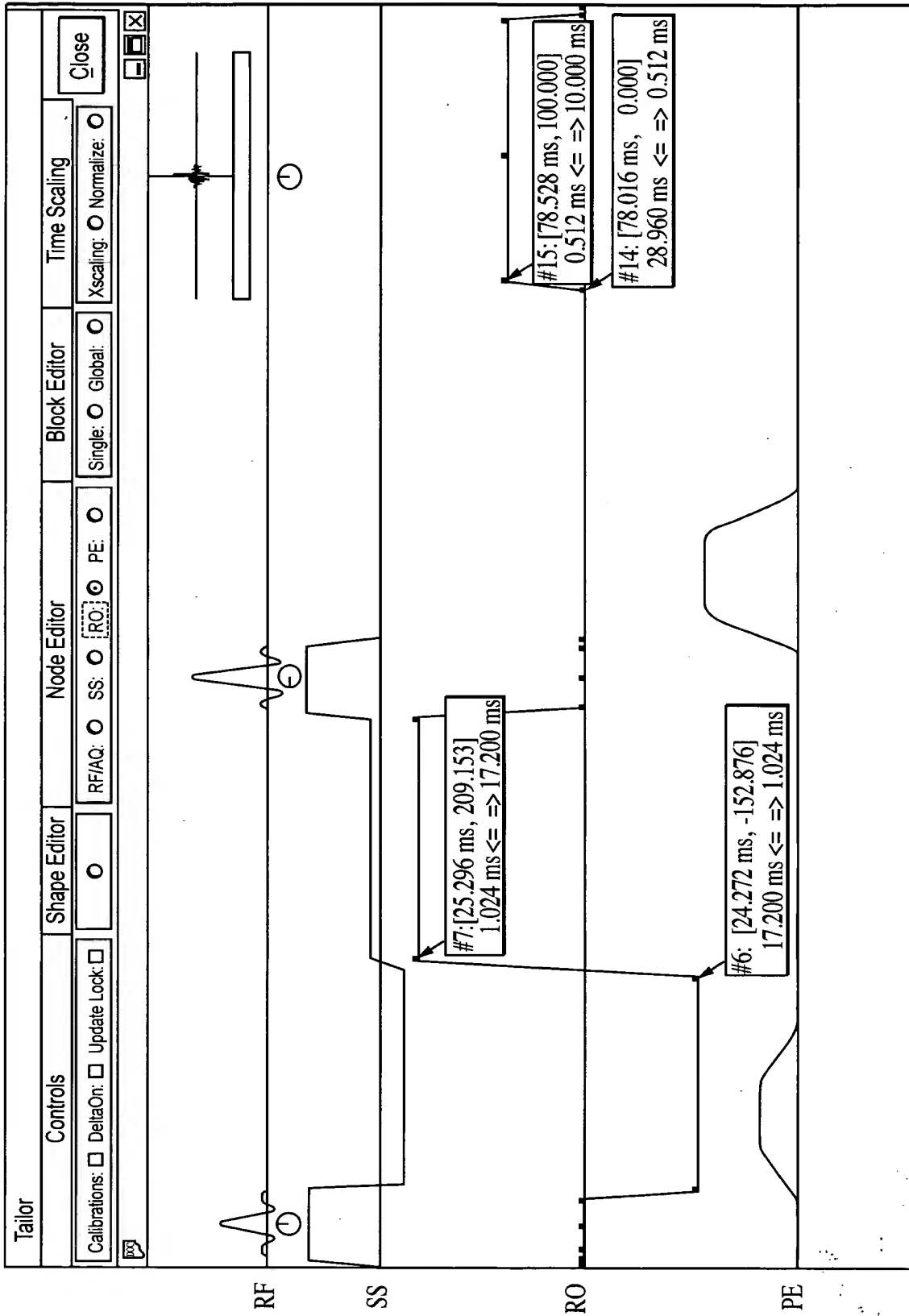


FIG. 16D

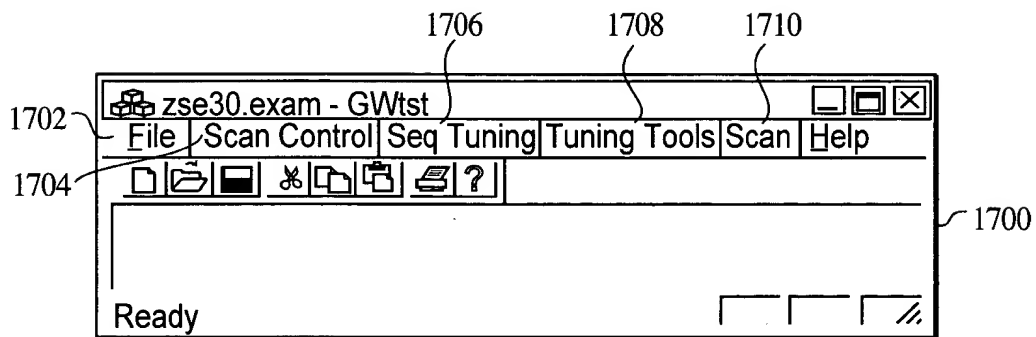


FIG. 17

FIG. 17

Sequence Tuning Display

Control Menu

Upper Window:

☐ Input

☒ Output

☒ Real

☒ Ampl

☐ Imag

☐ Phase

Lower Window:

☐ Input

☒ Output

☐ Real

☐ Ampl

☒ Imag

☒ Phase

☐ Waveform

Control Mode:

SS 1

☐ Joint Plot

RO 1

☐ Zoom

PE 1

☐ Auto Tun

Out PE 0

TR 0

In PE 0

Save

Loop PE 0

Send

Slice Plane: AXI-A/P

IN: 0

OUT: 0

Echo No: 0

Go

Skip Data: 5

Go

Save Rows 0

Pause

Con't

Close

Upper Frame 1

Frame 1802

Upper Frame 2

Frame 1804

Lower Frame 1

Frame 1806

Lower Frame 2

Frame 1808

FIG. 18A

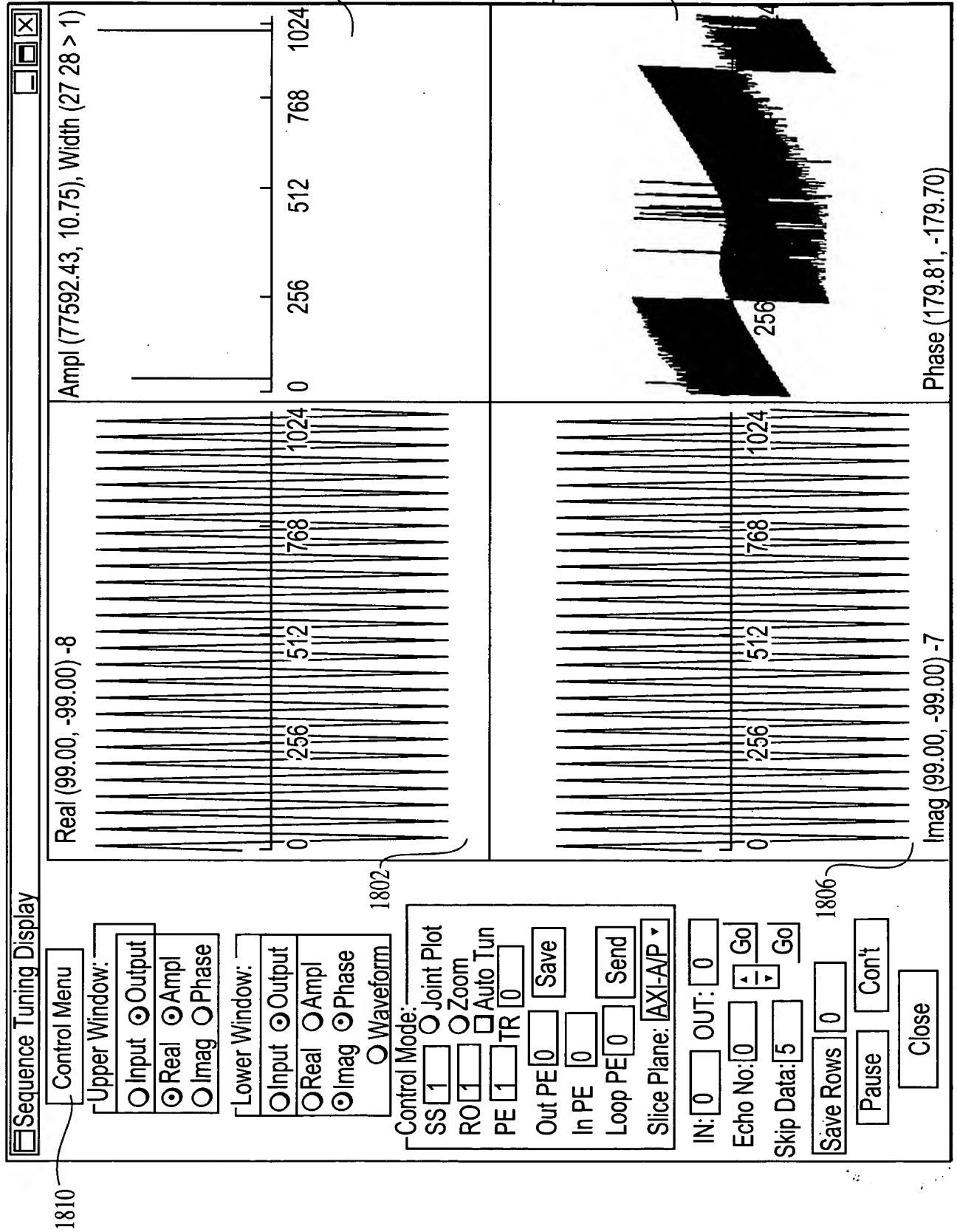


FIG. 18B

Scan Params

Exam:: H:\Fonar\Exams\zse30.exam

TE: 30 1902

Slices: 1 1904

TR: 46 1906

NEX: 1 1908

Levels: 128 1910

ETL: 0 1912 1914

Slice Plane: AXI-A/P ▼

1916 Scan Cancel

Scan Time: 5888 MSec.

Imag::

1900

FIG. 19